

10/518,091

L74 SCREEN 1015  
L75 STRUCTURE UPLOADED  
L76 QUE L75 AND L74  
L77 0 S L76 FUL

=> => d his

(FILE 'HOME' ENTERED AT 14:17:23 ON 02 FEB 2006)

FILE 'REGISTRY' ENTERED AT 14:17:34 ON 02 FEB 2006

L1 SCREEN 963 AND 1015 AND 2127  
L2 SCREEN 1838 OR 2040  
L3 STRUCTURE UPLOADED  
L4 QUE L3 AND L1 NOT L2  
L5 349 S L4 FUL

FILE 'CAPLUS' ENTERED AT 14:18:21 ON 02 FEB 2006

L6 73 S L5/THU  
L7 5427577 S PY>2000  
L8 33 S L6 NOT L7  
L9 15622 S ((PHARMACEUTICAL OR NUTRACEUTICAL OR COSMETIC OR DIETETIC?))(3  
L10 0 S L8 AND L9

FILE 'REGISTRY' ENTERED AT 14:24:36 ON 02 FEB 2006

L11 SCREEN 963 AND 1015 AND 1950 AND 2127  
L12 SCREEN 1838  
L13 STRUCTURE UPLOADED  
L14 QUE L13 AND L11 NOT L12  
L15 314 S L14 FUL  
L16 314 S L15 NOT L7

FILE 'CAPLUS' ENTERED AT 14:25:32 ON 02 FEB 2006

L17 299 S L15 NOT L7  
L18 5 S L17 AND L9

FILE 'REGISTRY' ENTERED AT 14:28:04 ON 02 FEB 2006

L19 SCREEN 963 AND 1015 AND 1951 AND 2127  
L20 SCREEN 1838  
L21 STRUCTURE UPLOADED  
L22 QUE L21 AND L19 NOT L20  
L23 75 S L22 FUL

FILE 'CAPLUS' ENTERED AT 14:30:50 ON 02 FEB 2006

L24 31 S L23  
L25 26 S L24 NOT L7  
L26 1 S L25 AND L9  
L27 25 S L25 NOT L26

FILE 'REGISTRY' ENTERED AT 15:34:47 ON 02 FEB 2006

L28 SCREEN 965 AND 1015  
L29 STRUCTURE UPLOADED  
L30 QUE L29 AND L28  
L31 SCREEN 963 AND 1015 AND 1951  
L32 SCREEN 2016 OR 1838  
L33 STRUCTURE UPLOADED  
L34 QUE L33 AND L31 NOT L32  
L35 128 S L34 FUL

FILE 'CAPLUS' ENTERED AT 15:36:02 ON 02 FEB 2006

L36 75 S L35  
L37 55 S L36 NOT L7  
L38 0 S L37 AND L9

10/518,091

FILE 'REGISTRY' ENTERED AT 15:39:40 ON 02 FEB 2006

L39 SCREEN 1015  
L40 STRUCTURE UPLOADED  
L41 QUE L40 AND L39  
L42 SCREEN 965 AND 1006 AND 1015  
L43 STRUCTURE UPLOADED  
L44 QUE L43 AND L42  
L45 0 S L44 FUL  
L46 SCREEN 963 AND 1006 AND 1015  
L47 SCREEN 2016 OR 1838  
L48 STRUCTURE UPLOADED  
L49 QUE L48 AND L46 NOT L47  
L50 13 S L49  
L51 1232 S L49 FUL

FILE 'CAPLUS' ENTERED AT 15:47:47 ON 02 FEB 2006

L52 3132 S L51  
L53 2164 S L52 NOT L7  
L54 4 S L53 AND L9

FILE 'REGISTRY' ENTERED AT 15:56:22 ON 02 FEB 2006

L55 SCREEN 963 AND 1006 AND 1015  
L56 SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1838  
L57 STRUCTURE UPLOADED  
L58 QUE L57 AND L55 NOT L56  
L59 674 S L58 FUL

FILE 'CAPLUS' ENTERED AT 15:56:57 ON 02 FEB 2006

L60 4933 S L59  
L61 146 S L59/THU  
L62 3596 S L60 NOT L7  
L63 52 S L61 NOT L7  
L64 6 S L62 AND L9  
L65 2 S L63 AND L9

FILE 'REGISTRY' ENTERED AT 16:27:48 ON 02 FEB 2006

L66 SCREEN 963 AND 1006 AND 1015 AND 1950  
L67 SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1838  
L68 STRUCTURE UPLOADED  
L69 QUE L68 AND L66 NOT L67  
L70 674 S L69 FUL

FILE 'CAPLUS' ENTERED AT 16:33:41 ON 02 FEB 2006

L71 4933 S L70  
L72 146 S L70/THU  
L73 3596 S L71 NOT L7  
L74 6 S L73 AND L9  
L75 52 S L72 NOT L7  
L76 2 S L75 AND L9  
L77 6 S L74 OR L76  
L78 0 S L77 NOT L64

FILE 'REGISTRY' ENTERED AT 16:35:47 ON 02 FEB 2006

L79 SCREEN 963 AND 1006 AND 1015 AND 1951  
L80 SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1838  
L81 STRUCTURE UPLOADED  
L82 QUE L81 AND L79 NOT L80  
L83 368 S L82 FUL

FILE 'CAPLUS' ENTERED AT 16:36:44 ON 02 FEB 2006

L84 374 S L83  
L85 16 S L83/THU  
L86 298 S L84 NOT L7

10/518,091

L87            1 S L86 AND L9  
L88            9 S L85 NOT L7  
L89            10 S L87 OR L88

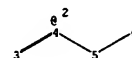
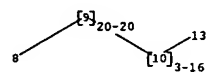
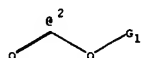
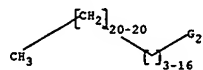
FILE 'REGISTRY' ENTERED AT 16:39:41 ON 02 FEB 2006

L90            SCREEN 963 AND 1006 AND 1015 AND 1952  
L91            SCREEN 1992 OR 2016 OR 2021 OR 2026 OR 1838  
L92            STRUCTURE UPLOADED  
L93            QUE L92 AND L90 NOT L91  
L94            239 S L93 FUL

FILE 'CAPLUS' ENTERED AT 16:41:57 ON 02 FEB 2006

L95            201 S L94  
L96            14 S L94/THU  
L97            163 S L95 NOT L7  
L98            1 S L97 AND L9  
L99            0 S L96 AND L9

=>



chain nodes :

1 2 3 4 5 6 8 9 10 13

chain bonds :

1-2 3-4 4-5 5-6 8-9 9-10 10-13

exact/norm bonds :

3-4 4-5 5-6 10-13

exact bonds :

1-2 8-9 9-10

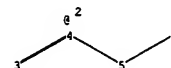
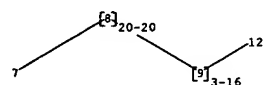
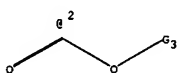
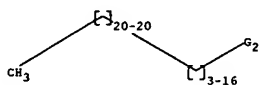
G1:H,Ak

G2:[\*1],[\*2]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 8:CLASS 9:CLASS 10:CLASS

13:CLASS



chain nodes :

1 2 3 4 5 6 7 8 9 12 18

chain bonds :

1-2 3-4 4-5 5-6 7-8 8-9 9-12

exact/norm bonds :

3-4 4-5 5-6 9-12

exact bonds :

1-2 7-8 8-9

G2:[\*1], [\*2]

G3:H, [\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 12:CLASS

18:CLASS

Generic attributes :

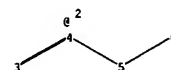
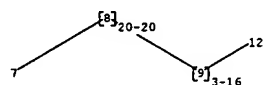
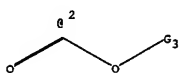
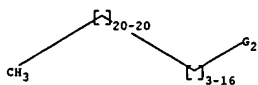
18:

Number of Carbon Atoms : less than 7

Element Count :

Node 18: Limited

C,C5



chain nodes :

1 2 3 4 5 6 7 8 9 12 18

chain bonds :

1-2 3-4 4-5 5-6 7-8 8-9 9-12

exact/norm bonds :

3-4 4-5 5-6 9-12

exact bonds :

1-2 7-8 8-9

G2:[\*1], [\*2]

G3:H, [\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 12:CLASS

18:CLASS

Generic attributes :

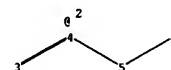
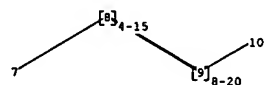
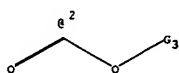
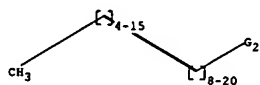
18:

Number of Carbon Atoms : less than 7

Element Count :

Node 18: Limited

C,C5



chain nodes :

1 2 3 4 5 6 7 8 9 10 14

chain bonds :

1-2 3-4 4-5 5-6 7-8 8-9 9-10

exact/norm bonds :

3-4 4-5 5-6 9-10

exact bonds :

1-2 7-8 8-9

G2:[\*1], [\*2]

G3:H, [\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS

Generic attributes :

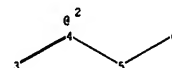
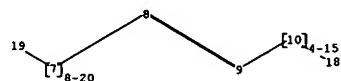
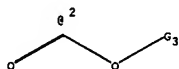
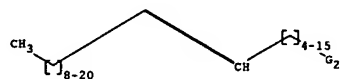
14:

Number of Carbon Atoms : less than 7

Element Count :

Node 14: Limited

C,C5



chain nodes :

1 2 3 4 5 6 7 8 9 10 14 18 19

chain bonds :

1-2 3-4 4-5 5-6 7-8 7-19 8-9 9-10 10-18

exact/norm bonds :

3-4 4-5 5-6 10-18

exact bonds :

1-2 7-8 7-19 8-9 9-10

G2:[\*1],[\*2]

G3:H,[\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS 18:CLASS 19:CLASS

Generic attributes :

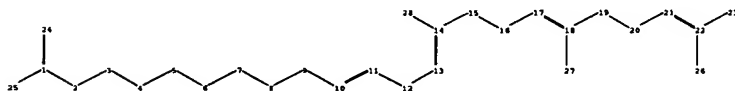
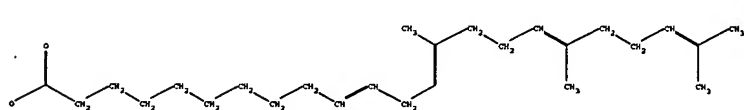
14:

Number of Carbon Atoms : less than 7

Element Count :

Node 14: Limited

C,C5



ring/chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25  
26 27 28

ring/chain bonds :

1-2 1-24 1-25 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14  
14-15 14-28 15-16 16-17 17-18 18-19 18-27 19-20 20-21 21-22 22-23 22-26

exact/norm bonds :

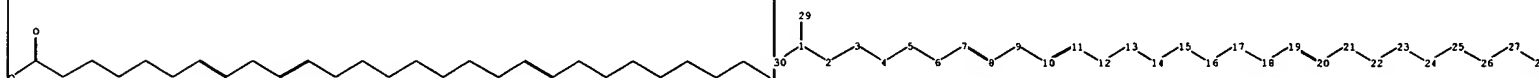
1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 14-28  
15-16 16-17 17-18 18-19 18-27 19-20 20-21 21-22 22-23 22-26

exact bonds :

1-24 1-25

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS  
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS



ring/chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25  
26 27 28 29 30

ring/chain bonds :

1-2 1-29 1-30 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14  
14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26 26-27  
27-28

exact/norm bonds :

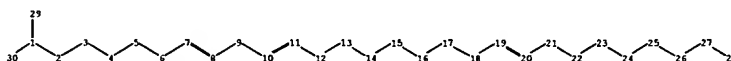
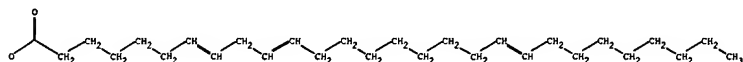
1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16  
16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26 26-27 27-28

exact bonds :

1-29 1-30

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS  
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS  
29:CLASS 30:CLASS



ring/chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25  
26 27 28 29 30

ring/chain bonds :

1-2 1-29 1-30 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14  
14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26 26-27  
27-28

exact/norm bonds :

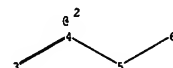
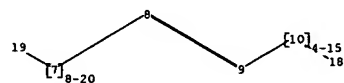
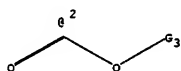
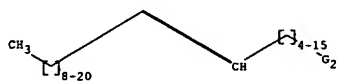
1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16  
16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26 26-27 27-28

exact bonds :

1-29 1-30

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS  
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS  
29:CLASS 30:CLASS



chain nodes :

1 2 3 4 5 6 7 8 9 10 14 18 19

chain bonds :

1-2 3-4 4-5 5-6 7-8 7-19 8-9 9-10 10-18

exact/norm bonds :

3-4 4-5 5-6 10-18

exact bonds :

1-2 7-8 7-19 8-9 9-10

G2:[\*1],[\*2]

G3:H,[\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS 18:CLASS 19:CLASS

Generic attributes :

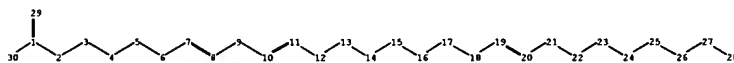
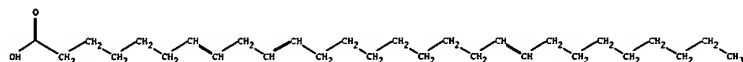
14:

Number of Carbon Atoms : less than 7

Element Count :

Node 14: Limited

C,C5



ring/chain nodes :

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25  
26 27 28 29 30

ring/chain bonds :

1-2 1-29 1-30 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14  
14-15 15-16 16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26 26-27  
27-28

exact/norm bonds :

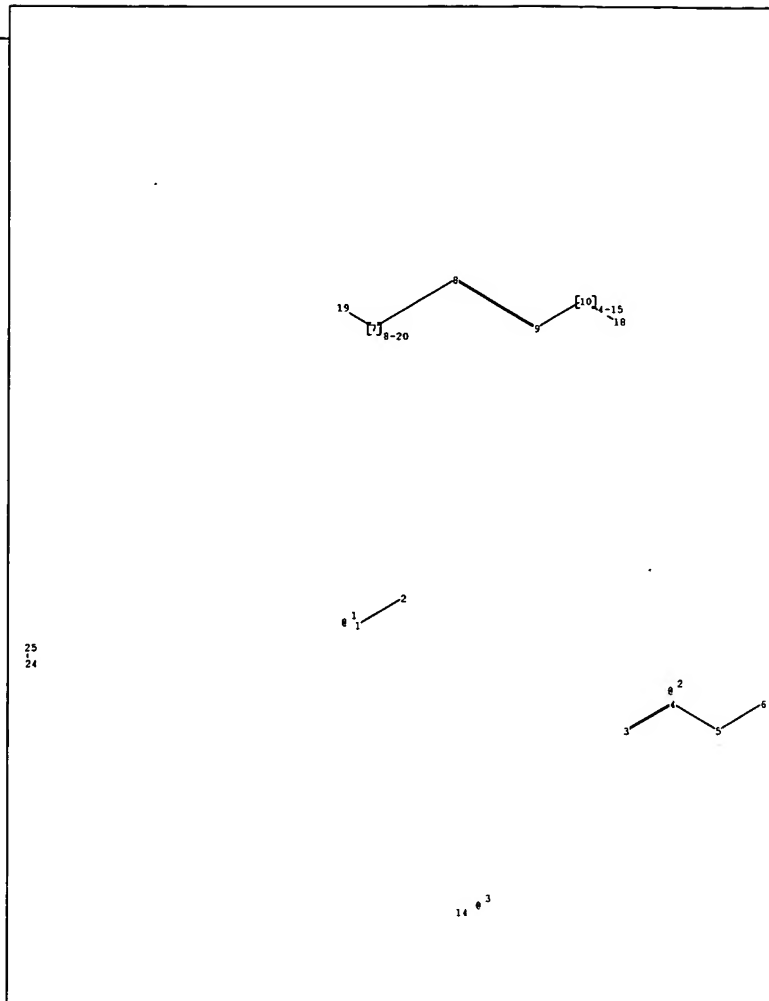
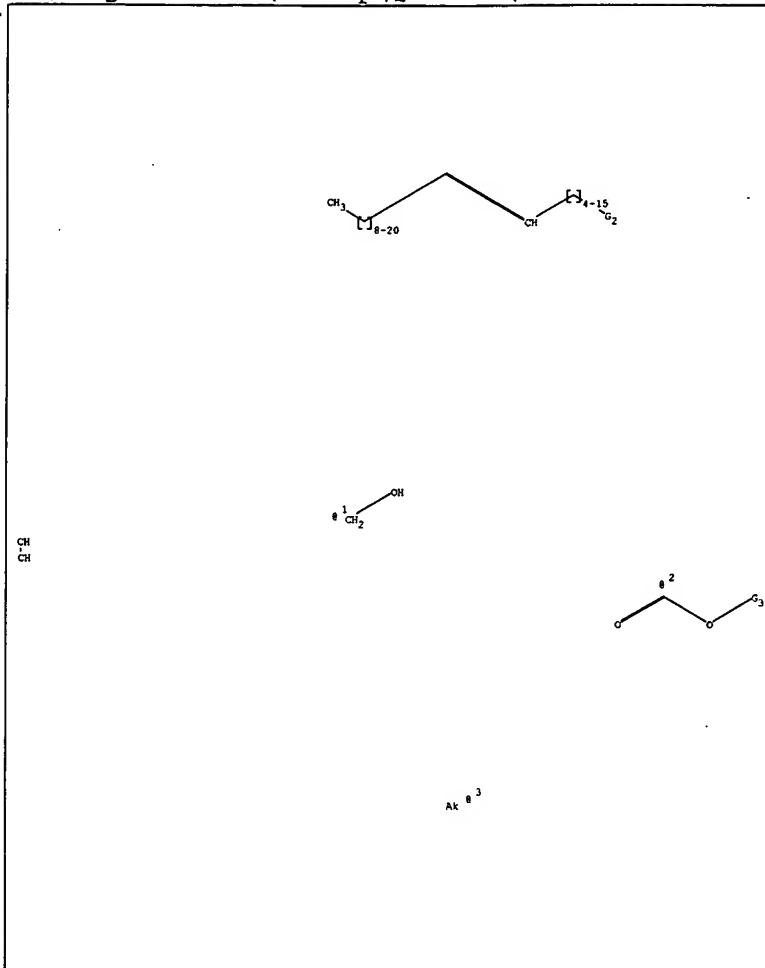
1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12 12-13 13-14 14-15 15-16  
16-17 17-18 18-19 19-20 20-21 21-22 22-23 23-24 24-25 25-26 26-27 27-28

normalized bonds :

1-29 1-30

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS  
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS  
29:CLASS 30:CLASS



chain nodes :

1 2 3 4 5 6 7 8 9 10 14 18 19 24 25

chain bonds :

1-2 3-4 4-5 5-6 7-8 7-19 8-9 9-10 10-18 24-25

exact/norm bonds :

3-4 4-5 5-6 10-18

exact bonds :

1-2 7-8 7-19 8-9 9-10 24-25

G2:[\*1],[\*2]

G3:H,[\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS 18:CLASS 19:CLASS 24:CLASS 25:CLASS

Generic attributes :

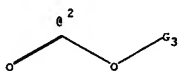
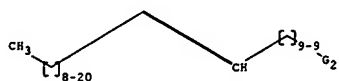
14:

Number of Carbon Atoms : less than 7

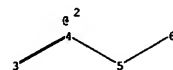
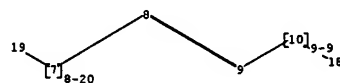
Element Count :

Node 14: Limited

C,C5



ak 14



14 14

chain nodes :

1 2 3 4 5 6 7 8 9 10 14 18 19

chain bonds :

1-2 3-4 4-5 5-6 7-8 7-19 8-9 9-10 10-18

exact/norm bonds :

3-4 4-5 5-6 10-18

exact bonds :

1-2 7-8 7-19 8-9 9-10

G2:[\*1], [\*2]

G3:H, [\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS 18:CLASS 19:CLASS

Generic attributes :

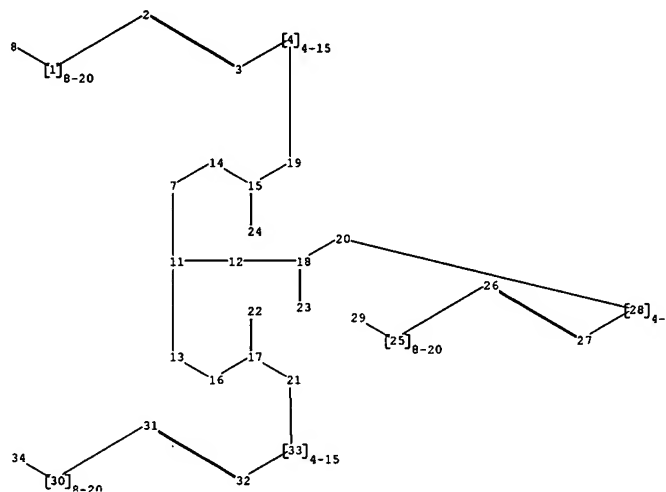
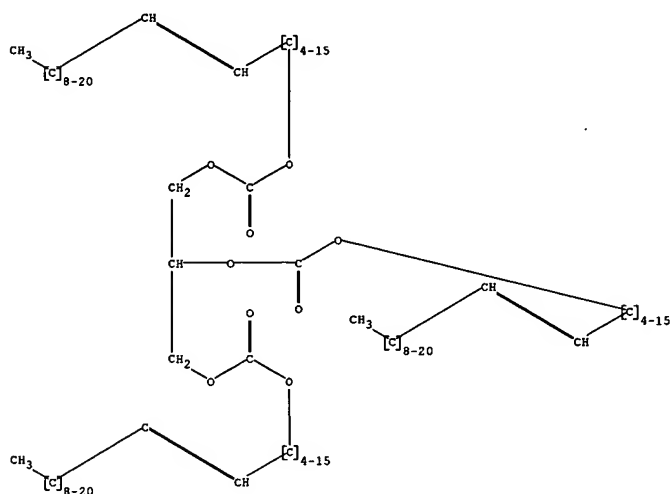
14:

Number of Carbon Atoms : less than 7

Element Count :

Node 14: Limited

C,C5



chain nodes :

1 2 3 4 7 8 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28  
29 30 31 32 33 34

chain bonds :

1-2 1-8 2-3 3-4 4-19 7-11 7-14 11-12 11-13 12-18 13-16 14-15 15-19 15-24  
16-17 17-21 17-22 18-20 18-23 20-28 21-33 25-26 25-29 26-27 27-28 30-31 30-34  
31-32 32-33

exact/norm bonds :

4-19 11-12 12-18 14-15 15-19 15-24 16-17 17-21 17-22 18-20 18-23 20-28 21-33

exact bonds :

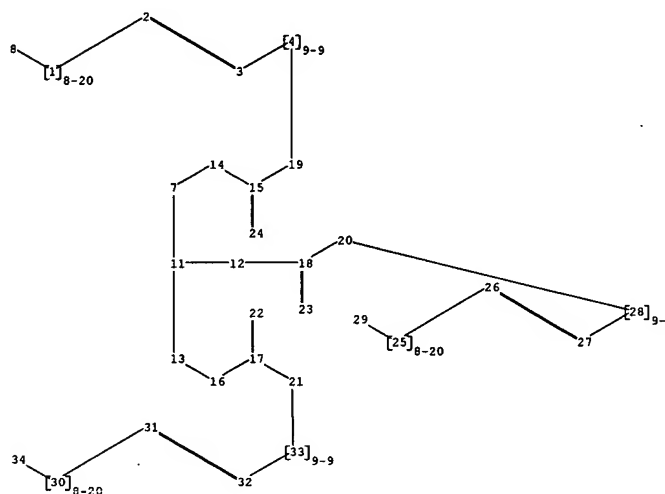
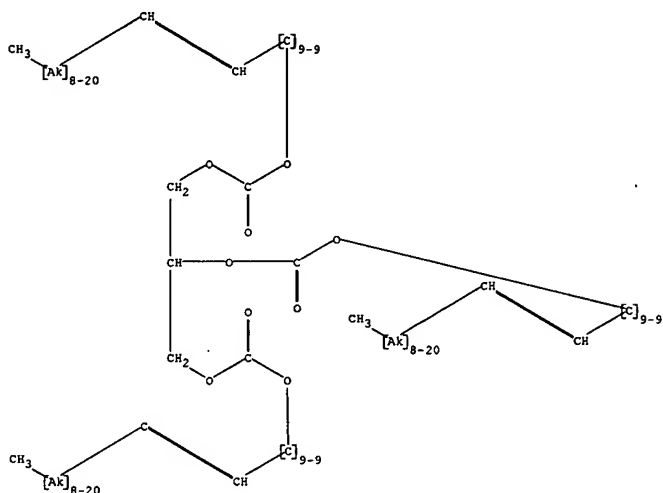
1-2 1-8 2-3 3-4 7-11 7-14 11-13 13-16 25-26 25-29 26-27 27-28 30-31 30-34  
31-32 32-33

G2

G3:H

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 7:CLASS 8:CLASS 11:CLASS 12:CLASS 13:CLASS  
14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS  
23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS  
32:CLASS 33:CLASS 34:CLASS



## chain nodes :

1 2 3 4 7 8 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28  
29 30 31 32 33 34

## chain bonds :

1-2 1-8 2-3 3-4 4-19 7-11 7-14 11-12 11-13 12-18 13-16 14-15 15-19 15-24  
16-17 17-21 17-22 18-20 18-23 20-28 21-33 25-26 25-29 26-27 27-28 30-31 30-34  
31-32 32-33

## exact/norm bonds :

1-2 1-8 4-19 11-12 12-18 14-15 15-19 15-24 16-17 17-21 17-22 18-20 18-23  
20-28 21-33 25-26 25-29 30-31 30-34

## exact bonds :

2-3 3-4 7-11 7-14 11-13 13-16 26-27 27-28 31-32 32-33

G2

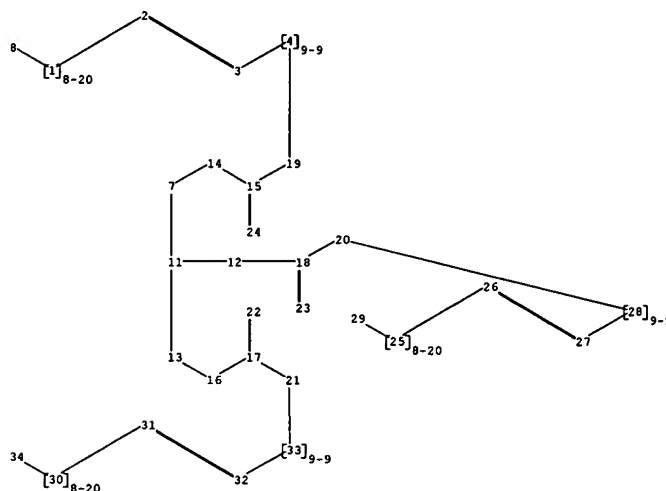
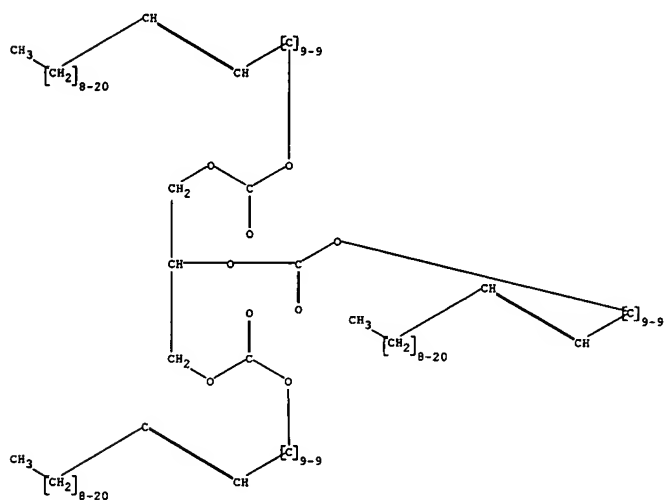
G3:H

## Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 7:CLASS 8:CLASS 11:CLASS 12:CLASS 13:CLASS  
14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS  
23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS  
32:CLASS 33:CLASS 34:CLASS

## Generic attributes :

1:  
Saturation : Unsaturated  
25:  
Saturation : Saturated  
30:  
Saturation : Saturated



chain nodes :

1 2 3 4 7 8 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28  
29 30 31 32 33 34

chain bonds :

1-2 1-8 2-3 3-4 4-19 7-11 7-14 11-12 11-13 12-18 13-16 14-15 15-19 15-24  
16-17 17-21 17-22 18-20 18-23 20-28 21-33 25-26 25-29 26-27 27-28 30-31 30-34  
31-32 32-33

exact/norm bonds :

4-19 11-12 12-18 14-15 15-19 15-24 16-17 17-21 17-22 18-20 18-23 20-28 21-33

exact bonds :

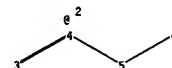
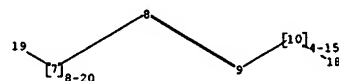
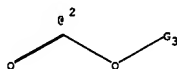
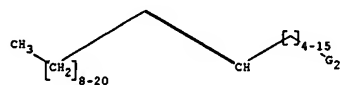
1-2 1-8 2-3 3-4 7-11 7-14 11-13 13-16 25-26 25-29 26-27 27-28 30-31 30-34  
31-32 32-33

G2

G3:H

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 7:CLASS 8:CLASS 11:CLASS 12:CLASS 13:CLASS  
14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS  
23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 30:CLASS 31:CLASS  
32:CLASS 33:CLASS 34:CLASS



chain nodes :

1 2 3 4 5 6 7 8 9 10 14 18 19

chain bonds :

1-2 3-4 4-5 5-6 7-8 7-19 8-9 9-10 10-18

exact/norm bonds :

3-4 4-5 5-6 10-18

exact bonds :

1-2 7-8 7-19 8-9 9-10

G2:[\*1],[\*2]

G3:H,[\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS 18:CLASS 19:CLASS

Generic attributes :

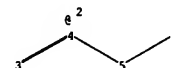
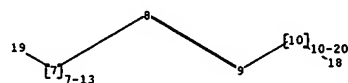
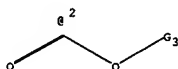
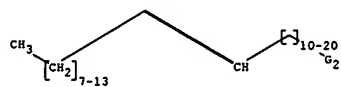
14:

Number of Carbon Atoms : less than 7

Element Count :

Node 14: Limited

C,C5



chain nodes :

1 2 3 4 5 6 7 8 9 10 14 18 19

chain bonds :

1-2 3-4 4-5 5-6 7-8 7-19 8-9 9-10 10-18

exact/norm bonds :

3-4 4-5 5-6 10-18

exact bonds :

1-2 7-8 7-19 8-9 9-10

G2:[\*1],[\*2]

G3:H,[\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS 18:CLASS 19:CLASS

Generic attributes :

14:

Number of Carbon Atoms : less than 7

Element Count :

Node 14: Limited

C,C5

The figure displays three chemical structures:  
1. Polyisobutylene: A branched polymer chain consisting of a central carbon atom bonded to two methyl groups ( $\text{CH}_3$ ) and one hydrogen atom ( $\text{H}$ ). The backbone consists of repeating units represented by brackets containing  $\text{CH}_2$ , with indices 7-13 and 10-20 indicating different regions or sequences.  
2. Ethanol: A molecule consisting of a methyl group ( $\text{CH}_3$ ) bonded to a hydroxyl group ( $\text{OH}$ ).  
3. Acetone: A molecule consisting of a central carbonyl carbon atom ( $\text{C}=\text{O}$ ) bonded to two methyl groups ( $\text{CH}_3$ ).

The top diagram shows a zigzag chain of points: 19, 8, 9, and [10]. Below point 19 is the label [7] with 7-13 underneath. Below point [10] is the label [10] with 10-20 and 18 underneath. The middle diagram shows a simple line segment between points 0 and 1. The bottom diagram shows a zigzag chain of points: 3, 4, 5, and 6. Above point 4 is the label e 2.














































[illegible]



















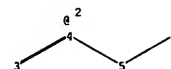
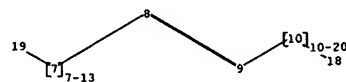
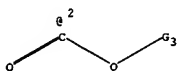
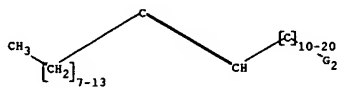
☠️☐♂️♂️    📁📄💻    ☹️⌘⌘♦️♂️♂️











chain nodes :

1 2 3 4 5 6 7 8 9 10 14 18 19

chain bonds :

1-2 3-4 4-5 5-6 7-8 7-19 8-9 9-10 10-18

exact/norm bonds :

3-4 4-5 5-6 10-18

exact bonds :

1-2 7-8 7-19 8-9 9-10

G2:[\*1],[\*2]

G3:H,[\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS 18:CLASS 19:CLASS

Generic attributes :

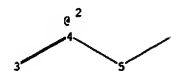
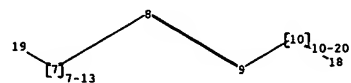
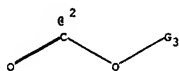
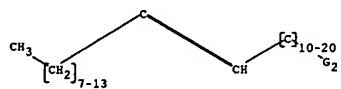
14:

Number of Carbon Atoms : less than 7

Element Count :

Node 14: Limited

C,C5



chain nodes :

1 2 3 4 5 6 7 8 9 10 14 18 19

chain bonds :

1-2 3-4 4-5 5-6 7-8 7-19 8-9 9-10 10-18

exact/norm bonds :

3-4 4-5 5-6 10-18

exact bonds :

1-2 7-8 7-19 8-9 9-10

G2:[\*1],[\*2]

G3:H,[\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS 18:CLASS 19:CLASS

Generic attributes :

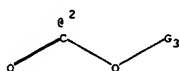
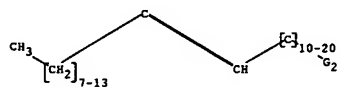
14:

Number of Carbon Atoms : less than 7

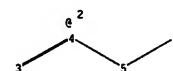
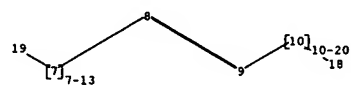
Element Count :

Node 14: Limited

C,C5



AK @ 3



14 @ 3

chain nodes :

1 2 3 4 5 6 7 8 9 10 14 18 19

chain bonds :

1-2 3-4 4-5 5-6 7-8 7-19 8-9 9-10 10-18

exact/norm bonds :

3-4 4-5 5-6 10-18

exact bonds :

1-2 7-8 7-19 8-9 9-10

G2:[\*1],[\*2]

G3:H,[\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS 18:CLASS 19:CLASS

Generic attributes :

14:

Number of Carbon Atoms : less than 7

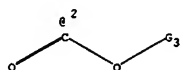
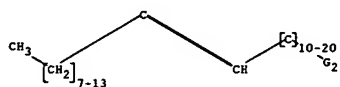
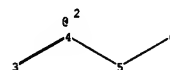
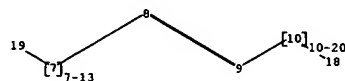
Element Count :

Node 14: Limited

C,C5

c

26

Ak e<sup>3</sup>14 e<sup>3</sup>

chain nodes :

1 2 3 4 5 6 7 8 9 10 14 18 19 26

chain bonds :

1-2 3-4 4-5 5-6 7-8 7-19 8-9 9-10 10-18

exact/norm bonds :

3-4 4-5 5-6 10-18

exact bonds :

1-2 7-8 7-19 8-9 9-10

G2:[\*1],[\*2]

G3:H,[\*3]

Match level :

1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

14:CLASS 18:CLASS 19:CLASS 26:CLASS

Generic attributes :

14:

Number of Carbon Atoms : less than 7

Element Count :

Node 14: Limited

C,C5